

IN THE CLAIMS:

The text of all pending claims is set forth below. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-6 and ADD new claims 7-10 as follows:

1. (CURRENTLY AMENDED) A method for driving a plasma display panel which displays a frame composed of a plurality of sub-fields having a sustain period which has different weights of luminance, the method comprising:

~~using~~applying plural kinds of ~~applications~~sustain pulses having different voltage waveforms ~~different in light emission luminance, as pulse voltages for~~ at least one sustain ~~discharges in display period~~ of ~~each~~a sub-field; and

adjusting ~~the~~a number of ~~waves~~sustain pulses in each of the plural kinds of ~~application~~ voltage waveforms according to ~~the~~a weight of luminance set for the at least one sustain period of the corresponding ~~each-sub-field, thereby performing gradation display~~

wherein the plural kinds of sustain pulses bring light emissions that differ from one another.

2. (CURRENTLY AMENDED) The method of claim 1, wherein the number of ~~waves~~sustain pulses in each of the plural kinds of ~~application~~-voltage waveforms is changed in accordance with input luminance in order to perform gradation display.

3. (CURRENTLY AMENDED) The method of claim 2, wherein the plural kinds of ~~applications~~sustain pulses having different voltage waveforms are ~~arranged~~applied regularly and alternatively in a common sustain period.

4. (CURRENTLY AMENDED) The method of claim 2, wherein, ~~of the plural kinds of application voltage waveforms, application voltage waveforms of a kind~~sustian pulses differ in ultimate electric potential, and a sustain pulse with a higher ultimate electric potential ~~are arranged by being gathered than another sustain pulse is applied~~ in a latter half-phase of a sustain period.

5. (CURRENTLY AMENDED) The method of claim 2, wherein, ~~of the plural kinds of application voltage waveforms, application voltage waveforms of a kind~~ sustain pulses differ in ultimate electric potential, and a sustain pulse with a higher ultimate electric potential are arranged by gathered than another sustain pulse is applied in the middle phase of a sustain period, and ~~application voltage waveforms of another kind~~ the sustain pulse with a lower ultimate electric potential are arranged by being gathered is applied in phases prior to and subsequent to the middle phase of the sustain period.

6. (CURRENTLY AMENDED) The method of claim 1, wherein ~~the~~ a constituent ratio of the plural kinds of ~~application~~ sustain pulses having different voltage waveforms is changed in accordance with a display rate in a display screen.

7. (NEW) A method for driving a plasma display panel which displays a frame having a plurality of sub-fields, the method comprising:
applying plural kinds of sustain pulses having different voltage waveforms for a sustain period of at least one sub-field,
wherein one of the voltage waveforms of the sustain pulses is a step-like waveform.

8. (NEW) The method of claim 7, wherein the step-like waveform comprises a rectangular pulse and an offset voltage added to the rectangular pulse.

9. (NEW) The method of claim 7, wherein another voltage waveform of the sustain pulses is a rectangular pulse having a lower ultimate voltage than the sustain pulse of the step-like waveform.

10. (NEW) The method of claim 7, wherein at least one sustain pulse having the step-like waveform is applied in an initial phase of the sustain period, and another sustain pulse having a rectangular voltage waveform is applied in a subsequent phase in a common sustain period.

11. (NEW) An apparatus comprising:
a sustain pulse application unit applying sustain pulses with different voltage waveforms for a sustain period of a sub-field of a frame; and
a sustain pulse adjustment unit adjusting a number of the sustain pulses in each of the

voltage waveforms to achieve a weight of luminance for the sustain period of the sub-field,
wherein sustain pulses having different voltage waveforms bring different respective light
emissions.